SBR No. 75/14-15

No. 1st & Final Bill  Original/Duplicate/Triplicate  Dt. 30.06.2014  Date :

Division DD

# CONTRACT CERTIFICATE

(For Other Works)

Bill Received No 326/14-15 Dated 16/7/14  Cash Book Voucher No. ..... Dated .....

Scheduled Doctet No. .....  Sub-Division DD  Head of Account .....

Name of work ( as per sanctioned estimate) DRILLING OF BORE WELLS, PROVIDING PUMP MOTOR AND SERVICING AT KALAHASTINAGAR IN DASARAHALLI WARD NO.15

Name of Contractor and Full Address THE TECHNICAL MANGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/303/13-14 Date: 26.02.2014

Certified that the measurements were taken by me on 30/06/14 and recorded in pages 07 To 13 of measurements Book No. 847/13-14 and that the work is satisfactorily executed.

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001
Contractor

30/06/14
Officer - in - charge of work

Certified that the measurements were checked by me on 30-6-14 and found correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

*If Memorandum of Payment*

**Work Code :- 015-14-000001**

*Sub - Division Officer*

| | | AMOUNT |
|---|---|---|
| 1. | Total value of work done or supplies made as per account. | Bill Amount - 700000=00 |
| 2. | Deduct amount to be held in reserve being ..... percent Rs. ..... | |
| 3. | - do - Balance | |
| 4. | Deduct Payments : | |
| | a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No. ..... | |
| | Amount adjusted towards cash advance recovery of | IT - 14000=00 |
| | b) Payments cost store or other materials supplied | VAT - 28000=00 |
| 5. | Balance being unpaid value of work done held in reserve | Total -- |
| 6. | Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments | SD - 35000=00 |
| | | LWC - 7000=00 |
| 7. | Net amount due to or from contractor | CBF - 700=00 |
| | Unadjusted items | |
| 8. | Advance to contractor for materials brought to site ( as detailed) within value of Government materials supplied. | Fine - 1000/00 |
| | | Total amount adjusted -- (-) 85,700=00 |
| | | Net - 6,14,300=00 |

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001
Signature of Contractor

Received Rs ..... (in words)

..... by cash and by adjustment of

Payment as per memorandum.

(In final settlement of all demand )

Witnes sre

1.

2.

Date

Paid by me by cheque No ..... Dated .....

Cash Rs ..... Dated .....

Stamp

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001
Signature of Contractor

( For use in the Office )

Audited and admitted Rs. 700000=00

Passed by Chief Engineer Rs. 614300=00

(Rupees) Six Lakhs Fourteen Thousand Three hundred only

Deduct ... 85,700=00

Accounts Superintendent  Exe. Engineer

25

| | Items of work ( grouped under sub-heads the sub works of the estimate) |
|---|---|
| 1 | Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either th Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the v quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other ir required including transportation of instrument and accessories to work site., engaging techinical personal a required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour cha complete and as per the directions of the Engineer-in-charge of the work |
| 2 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & a strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, thro welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and directions of the Engineer-in-charge of the work |
| | 0.00 to 50.00 m |
| | 50.00 to 100.00 m |
| | 100.00 to 150.00 m |
| | 100.00 to 150.00 m |
| | 200.00 to 250.00 m |
| | 250.00 to 300.00 m |
| | 300.00 to 350.00 m |
| 3 | Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled st stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading charges etc., complete and as per the directions of the Engineer-in-charge of the work |
| 4 | Providing fixing 250mm dia PVC Pipeand as per specification |
| 5 | 175mm dia M.S casing cap |
| 6 | M S cassing pipe collars 'C' Class |
| 7 | Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable f installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 |
| 8 | Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with celectrolytic grade c flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation an suitable for working voltage upto 1100 volts as per 1x3x4 sqm of 56 strands 0.3mm dia Group A |
| 9 | Supplying and fixing 50mm non return valve of vertical type of aplproved make including cost of all mate HOM of equipment with all leads compelte as per specification |
| 10 | Supplying and fixing 50mm GM gate valve |

| | Unit | Previous Measuremen | | Present Measurement | | | Total Up-to-date | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | Qty | Cost | Qty | Rate Rs. Ps. | Cost | Qty | Cost | |
| ough the including cinity, its seal the of casing formation d labour ges etc., | Each | | | 1.00 | 1900.00 | 1900.00 | 1.00 | 1900.00 | |
| ove in all ding and complete of casing s per the | Mtr | | | | | | | | |
| | Mtr | | | 50.00 | 306.00 | 15300.00 | 50.00 | 15300.00 | |
| | Mtr | | | 50.00 | 400.00 | 20000.00 | 50.00 | 20000.00 | |
| | Mtr | | | 50.00 | 445.00 | 22250.00 | 50.00 | 22250.00 | |
| | Mtr | | | 50.00 | 470.00 | 23500.00 | 50.00 | 23500.00 | |
| | Mtr | | | 50.00 | 544.00 | 27200.00 | 50.00 | 27200.00 | |
| | Mtr | | | 50.00 | 583.00 | 29150.00 | 50.00 | 29150.00 | |
| | Mtr | | | 50.00 | 622.00 | 31100.00 | 50.00 | 31100.00 | 29856=00 |
| esistance el skelp / ocket and d labour | Mtr | | | 48.00<br>79.00<br>80.00 | 1325.00 | 29856=00<br>104675=00<br>106000.00 | 48.00<br>79.00<br>80.00 | 106000.00 | 104675=00 |
| | Rmt | | | 18.00 | 1100.00 | 19800.00 | 18.00 | 19800.00 | |
| | Each | | | 1.00 | 100.00 | 100.00 | 1.00 | 100.00 | |
| | Each | | | 54.00 | 150.00 | 8100.00 | 54.00 | 8100.00 | |
| vertical easns of Vet type) tted with ump and nloading age | Set | | | 1.00 | 71265.25 | 71265.00 | 1.00 | 71265.00 | |
| per with sheathed | Mtr | | | 600.00 | 151.00 | 90600.00 | 600.00 | 90600.00 | |
| ls labour | Nos | | | 1.00 | 1530.00 | 1530.00 | 1.00 | 1530.00 | |
| | Nos | | | 1.00 | 1430.00 | 1430.00 | 1.00 | 1430.00 | |

| | |
|---|---|
| 11 | Supply and fixing 160mm borewell cap with clampset |
| 12 | Supply and fixing 50mm GI Union |
| 13 | Supply and fixing 50mm GI Elbow |
| 14 | Supply and fixing 50mm GI coller Heavy Duty |
| 15 | Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indige combined energy meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong v water proof. The unit shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron a ventilators shall be provided inside the door canopy apron and louvers ventilators shall be provided the combi meter cum control panel board unit suitable for operation on 3ph, 50 Hz, 380/440 volts AC supply shall be co complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in components panel board for suitable pumpset with Star delta starter out door type 10 HP to 15 HP |
| 16 | Providing and fixing of 50mm GI pipe C class heavy duty for erection of submersible pumpset complete |
| 17 | Erection of combined panel board and meter unit with necessary materials and labour including providi concrete foundation bed cont door type etc., complete |
| 18 | Supplying of TPST with rewireable porcelain Channels in SM encloser 15/32 amps |
| 19 | Supplying and fixing 500 x 500x 65mm polished wood board made up not less than 15mm thick plank with f one end provided for olding at other end fixing the same of the valve using through bolts and nuts 20"x2"'x2.5 |
| 20 | Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 H DC Group B |
| 21 | Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or concealed system 7/20 or 7/36 copper wire |
| 22 | Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 Phase 400 / 440 volts power factor improvement of rotating machinery capacitor in KVA rating Nos 2 KVAR capacity |
| 23 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing ma wiring complete as required 5-32 TPN |
| 24 | Supplying, fixing , wiring earth electrode for grounding conduits. LC cutouts and other equipments on the m using 40mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit. The pit should be filled with equal proporti and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduct etc etablished through GI wire of size as epr ISI specification 7.3.3. IS 732 using 12mm dia bolts, nuts, washers nuts, etc., the pipe shall have 16 throught holes of 122 mm dia |
| 25 | Supplying and fixing class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / w crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm |
| 26 | Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road re core 16 sqmm |
| 27 | Labour charges for laying 1.1 KV class UG cable when supplied departmentally/agency in existing pipe/stoneware pipe/on wall/on pole as required |
| 28 | Digging of trench of 0.6m p x 0.50mtr vide refiling the trench to the required ground level and consolid complete cutting road surface |
| 29 | Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen / compound compelte with terminals clamsp, bolts nuts and washers etc., |
| 30 | Supplying and fixing of porcelain fuse channel with cut out on existing / new wooden panel using necessary and washers etc., complete |
| 31 | BESCOM deposit charges and misc. D.W.P. 1119 Dtd: 30/06/14 Copy Enclos |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Nos | | | 1.00 | 690.00 | 690.00 | 1.00 | 690.00 | |
| | Nos | | | 1.00 | 245.00 | 245.00 | 1.00 | 245.00 | |
| | Nos | | | 1.00 | 120.00 | 120.00 | 1.00 | 120.00 | |
| | Nos | | | 16.00 | 1350.00 | 21600.00 | 16.00 | 21600.00 | |
| ous make rmin and C supply d louvers ed energy sists etc., he above | Nos | | | 1.00 | 10000.00 | 10000.00 | 1.00 | 10000.00 | |
| | Mtr | | | 288.00 | 402.75 | 115992.00 | 288.00 | 115992.00 | |
| g cement | Nos | | | 1.00 | 475.00 | 475.00 | 1.00 | 475.00 | |
| | Nos | | | 1.00 | 1350.00 | 1350.00 | 1.00 | 1350.00 | |
| ont plank | Nos | | | 1.00 | 275.00 | 275.00 | 1.00 | 275.00 | |
| 12/24 V | Nos | | | 1.00 | 350.00 | 350.00 | 1.00 | 350.00 | |
| wiring ) | Nos | | | 10.00 | 25.00 | 250.00 | 10.00 | 250.00 | |
| grade for | Nos | | | 1.00 | 350.00 | 350.00 | 1.00 | 350.00 | |
| rials and | Nos | | | 1.00 | 1075.00 | 1075.00 | 1.00 | 1075.00 | |
| er board n of solt is to be nd check | Nos | | | 1.00 | 1500.00 | 1500.00 | 1.00 | 1500.00 | |
| l / drain | Nos | | | 10.00 | 220.00 | 2200.00 | 10.00 | 2200.00 | |
| toratio 4 | Mtr | | | 15.00 | 150.00 | 2250.00 | 15.00 | 2250.00 | |
| nch GI | Mtr | | | 30.00 | 5.00 | 150.00 | 30.00 | 150.00 | |
| ion etc., | Mtr | | | 15.00 | 50.00 | 750.00 | 15.00 | 750.00 | |
| nsulating | Nos | | | 1.00 | 240.00 | 240.00 | 1.00 | 240.00 | |
| uts, bolts | Nos | | | 6.00 | 219.00 | 1314.00 | 6.00 | 1314.00 | |
| | Ls | | | 1.00 | 15000.00 | 15000.00 | 1.00 | 15000.00 | 12294 |

12294

| | |
|---|---|
| 32 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricad lighting etc., in the Asph |
| 33 | Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical cond s either i trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and s and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaki complete as per specifications. |
| 34 | Providing and installation at site of work PVC pipes including cost of pipes and specials and labour includin into trenches. Laying true to line level and plerfect linking of joints leak proof including jointing of approved t labour and lift charges handling charges including encasing the pipe alround to a depth not leass than 15 cms or selected earth available from the excavation etc., complete |
| 35 | Supplying and fixing 50mm GI pipes C Class heavy duty compelte |
| 36 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each dep by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour compl specifications allow 60% of rate considered under item. |
| 37 | Disposing of excated earth to the final place of disposal with all lead and lift & asdirectd by the engineer in cha (Lead upto `5.00 KM) |
| 38 | Transportation of pumping machineries compelte as per specification |
| 39 | Erection of pumping machineries complete |
| | |
| | **Add 10% KRID** |
| | **Add 1% L** |
| | **G** |
| | |
| | |

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

ಪೊಲೀಸ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ. ಬೆಂಗಳೂರು - 560 073

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| g, danger | cum | | | 9.00 | 255.46 | 2299.00 | 9.00 | 2299.00 | |
| pits or in<br>es of pits<br>of clods | cum | | | 45.00 | 190.80 | 8586.00 | 45.00 | 8586.00 | |
| lowering<br>e with al<br>th gravel | Rmt | | | 100.00 | 117.00 | 11700.00 | 100.00 | 11700.00 | |
| | Mtr | | | 10.00 | 402.75 | 4028.00 | 10.00 | 4028.00 | |
| ted layer<br>e as per | cum | | | 45.00<br>177.75 | 51.41 | 2813=00<br>9138.00 | 45.00<br>177.75 | 2813=00<br>9138.00 | |
| es of the | cum | | | 54.00<br>159.68 | 106.85 | 5769=00<br>17062.00 | 54.00<br>159.68 | 17062.00 | 5769=00 |
| | Ls | | | 1.00 | 850.00 | 850.00 | 1.00 | 850.00 | |
| | Ls | | | 1.00 | 850.00 | 850.00 | 1.00 | 850.00 | |
| **TOTAL** | | | | | | ~~699914.00~~ | | ~~699914.00~~ | |
| ~~Charges~~ | | | | | | ~~69991.00~~ | | ~~69991.00~~ | |
| ~~ur Cess~~ | | | | | | ~~6999.00~~ | | ~~6999.00~~ | |
| **d Total** | | | | | | ~~776904.00~~ | | ~~776904.00~~ | |
| | | | | | | 6,92,200/- | | 6,92,200/- | |
| | | | | | | | | | |

676521=00 676521=00

Rupees in words /o - / KRJDL Check - 67652=00 67652=00

Total - 7,44,173=00 7,44,173=00

Amount Limited to as per work order - 7,00,000=00 7,00,000=00